

T-R

oer

INFORMATION REPORT INFORMATION REPORT

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

S-E-C-R-E-T

25X1

PROCESSING COPY

COUNTRY	USSR	REPORT	
SUBJECT	Soviet Defense Plants, Industrial Plants, and Military Research Installations in Sverdlovsk, Leningrad, and Moscow	DATE DISTR.	17 January 1958
		NO. PAGES	1
		REFERENCES	RD

DATE OF INFO.

25X1

PLACE & DATE ACQ.

25X1

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

data on 15 Soviet factories producing military end items or components of such items and on two military research institutes. Three of the factories were in Sverdlovsk, four factories and one research institute were in Leningrad, and one institute and one factory were in Moscow. Some of this information dates from before 1950. One attached annex gives a sketch of an explosive rifle bullet produced at Cartridge Factory #3 in Ulyanovsk.

25X1

25X1

S-E-C-R-E-T

STATE	#X	ARMY	#X	NAVY	#X	AIR	#X	FBI		AEC				
(Note: Washington distribution indicated by "X"; Field distribution by "#".)														

INFORMATION REPORT INFORMATION REPORT

SECRET

2

25X1

SOVIET DEFENSE PLANTS AND MILITARY RESEARCH INSTALLATIONS;
OTHER INDUSTRIAL PLANTS

Introduction

This report covers the names, locations and other data [redacted] on approximately 17 plants and institutes in the USSR. It is written in the style of an order of battle report. Thirteen plants produced military end-items and the two institutes were engaged in military research. [redacted]

25X1

25X1

In all cases,
the factories were guarded and fenced [redacted]

1. Possible Artillery, Tanks and Ammunition Plants

Unit Designation	Subordination		Location	Remarks
The Eighth Artillery Factory	Ministry of Industry	N/A	SVERDLOVSK	Director was unk. [redacted]

25X1

25X1

25X1

SECRET

SECRET

3

25X1

25X1

Unit Designation	Subordination	Location	Remarks
------------------	---------------	----------	---------

25X1

The factory occupied an area about two kilometers square. The foundry shop was located in one large building approximately 15 to 20 m high which contained four or five casting machines, an electric furnace and a kiln. [redacted] 30 or 40 workers were on the day shift in the foundry shop at the time he was there.

25X1

[redacted] nothing about the quantities of end products produced or total persons employed. This factory was located in the city proper [redacted]

25X1

25X1

Kirov
FactoryMinistry
of Trans-
port Ma-
chinery
Construction

N/A Leningrad

Director was unk. [redacted] this factory, which produced an unidentified tank, for one-half a day in 1955. [redacted]

25X1

estimated 30 to 40 unidentified tanks in the factory. [redacted]

25X1

This factory occupied an area about 1½ x 2 km and contained three foundry shops. One was in a large red, stone building approximately 40 x 250 x 12m in size. The other foundries were in smaller buildings. The fence around the factory was of stone and about three meters high. [redacted]

25X1

Factory
Bolshevik
#232Ministry
of Mili-
tary In-
dustry

N/A Leningrad

Director was unk. [redacted] It produced long, unidentified gun barrels. [redacted]

25X1

estimated to be five to eight meters long and 220 mm in bore diameter. [redacted]

25X1

[redacted] they were for naval guns because they were so large. [redacted]

SECRET

SECRET

4

25X1

Unit Designation	Subordination	Location	Remarks
------------------	---------------	----------	---------

25X1

subsequent usage.

25X1

Cartridge Factory #314	Ministry of Military Industry	N/A	KUNTSEVO (N55-44, E37-27)
------------------------------	-------------------------------------	-----	---------------------------------

The director from 1944 to 1947 was
(fnu) FORSHER.

25X1

This factory produced ammunition for the "TT" 7.62 mm pistol until 1947, when it was changed to a radar manufacturing plant.

25X1

The factory occupied an area about 750 x 1500 m and was composed of six or seven 3-story stone buildings within the area.

25X1

the factory was on Novyi Obyert Ulitsa. The house across the street from the factory was #69.

25X1

Cartridge Factory (Volodarsky) #3	Ministry of Military Industry	N/A	ULYANOVSK (N54-20, E48-24)
--	-------------------------------------	-----	----------------------------------

Director was unk.

This factory produced several sizes and types of ammunition (see below) and was still producing ammunition in 1952.

25X1

25X1

this factory produced the following sizes and types of ammunition. All components except powder were made here and the rounds were filled with powder and assembled.

25X1

SECRET

SECRET

5

25X1

Unit Designation	Subordination	Location	Remarks
------------------	---------------	----------	---------

25X1

12.7 mm AT, tracer, incendiary and armor-piercing ammunition.

14.5 mm armor-piercing ammunition (not AA) used by aircraft guns only

25X1

7.62 mm tracer, armor-piercing, sniper explosive, and ball ammunition. The round with explosive bullet was called the M.D.Z. (Mnogogo Deystvia Zabechina).

25X1

7.62 mm "TT" pistol ball ammunition.

The 7.62 mm sniper round. This had an ordinary bullet, but the shell was not completely filled with powder.

25X1

this factory occupied an area approximately 2 x 3 km and had more than 30 shops. There was a workers' village adjacent to the factory. 25,000 to 30,000 workers were employed in this factory.

25X1

25X1

The guards were women wearing unidentified civilian-type uniforms.

25X1

Cartridge
Factory
#710

Ministry
of Mili-

N/A PODOLSK
(N55-23,
E37-30)

Director was unk.

the Central Design Office #3, furnished assistance to both Cartridge Factory #314 and Cartridge Factory #710. This factory then produced 7.62 mm caliber ammunition

25X1

It was located on the MOSCOW-TULA highway but within the city of PODOLSK.

25X1

It occupied an area approximately 1 x 1½ km and consisted of three or four large 3-story buildings.

SECRET

SECRET

6

25X1

25X1

Unit Designation	Subordination		Location		Remarks
------------------	---------------	--	----------	--	---------

25X1

The administration building was a 3-story building about 15 x 40 m in ground dimensions, and there were an unknown number of buildings seven or eight meters high and approximately 80 x 130 m in ground dimensions. There were about 2,000 to 3,000 employees in this factory.

25X1

Artillery
Factory
(Possibly
#8)

Ministry
of Military
Industry

N/A

PODLIPKI
(N55-55,
E37-49)

Director was unk.

it manufactured unidentified artillery pieces.

25X1

2. Military Research Institutes

Scientific
Research Institute No.13
(Nauchno-
Issledovatel'skiy
Institut - MIU)

Ministry
of Defense
Industry

N/A

LENINGRAD,
Paradnya
Ulitsa
Dom 13.

The Chief Metallurgist in 1956 was (fnu) PROZHORIN.

25X1

it worked only on problems of metallurgy for unidentified artillery armament. It had about 20 laboratories, each one working on different problems dealing with a certain material for armament. One laboratory worked on metals for springs

25X1

25X1

This institute occupied about 12 buildings of various sizes, most of them being three or four stories high and of stone. The entire institute area was approximately 150 x 200 m in size.

SECRET

SECRET

7

Unit Designation	Subordination	Location	Remarks	
				25X1
			There was no fence around the institute. The institute guards wore an unidentified civilian-type uniform.	25X1
The Scientific Research for Technical Aviation	Ministry of Aviation Industry	N/A MOSCOW	The director from 1947 to 1956 was Basil Vasilovich BOYTSOV. The factory was on Petrovka Ulitsa #23.	25X1
			metal testing laboratory officially called the 11th laboratory. This institute occupied a 2-story stone building approximately 30 x 50 m. There were 17 laboratories in this institute.	25X1
			2,500 to 3,000 workers were employed here.	25X1

3. Battery and Optical Instruments Plants

Battery Factory (possibly #223)	Ministry of Electrical Technical Industry	N/A LENINGRAD	Director was unk. or three days here in 1955 studying the factory's casting machines. This factory produced two or three types of lead batteries which	25X1
				25X1
			this factory was approximately 400 x 400 m and employed from 600 to 1,000 workers.	25X1
			most of the machinery in these shops was old. (Possibly 10 percent of the machines were new.)	25X1
			This factory was located adjacent to the Kirovsky Factory. Its exact address was unknown. It was surrounded by a wooden fence approximately two or three meters high. The guards were women wearing an unidentified civilian-type uniform.	25X1

SECRET

SECRET

8

Unit Designation	Subordination	Location	Remarks
Battery Factory (Leninskaya Iskra)	Ministry of Electrical Technical Industry	N/A Leningrad	Director was unk. [redacted] [redacted] factory made alkaline (shchelochnyye) batteries. [redacted] the Scientific Battery Research Laboratory (Nauchnyy Isledovatel'skiy Akumlyatorskiy Institut) was located in this factory in 1955. [redacted]
Optical Instrument Factory #392	Ministry of Defense Industry	N/A PAVSHINO (a small town about 30 km NW of MOSCOW, address unknown to Source).	Director was unk. [redacted] [redacted] This factory made various sizes of unidentified lens for apparent but unknown military usage and cameras. [redacted] lens in sizes from 300 mm to 10 mm while he was in the factory. [redacted] they were making the "Zorki" type civilian camera. [redacted] this was the only part of the factory that was not engaged in military production. [redacted] several shops on one floor of one long building, in small rooms on both sides of a long corridor. All floors of the long building had similar shops, which were arranged in the same way [redacted] The building [redacted] was three or four stories high, of stone, and approximately 22 x 300 m. There were at least eight large buildings in the area, but they were somewhat smaller than the one described above. The fence surrounding this factory was of stone and approximately four meters high.

SECRET

25X1

SECRET

9

4. Plants Producing Airplanes and Airplane Parts

25X1

Unit Designation	Subordination	Location	Remarks	
Airplane Engine Factory #45	Ministry of Aviation Industry	N/A MOSCOW	The director in 1948 was (fnu) KOMOROV. this factory was possibly in the vicinity of Simyonovsky square. This factory made unidentified jet airplane motors as an end product	25X1 25X1 25X1
Airplane Factory #23	Ministry of Aviation Industry	N/A FILI (M55-45, E37-30)	Director was unk. in 1947 it produced unidentified airplane motors.	25X1
Airplane Motor Factory #29	Ministry of Aviation Industry	N/A ZAPORZHYE (M47-49, E35-10)	Director was unk. This factory had made airplane motors in 1935. However, in 1951 it was much larger.	25X1 25X1 25X1

5. Other Plants Known to Source

Rubber Technical Products Factory (Rezino-Mekhanichesky Isdeliya Fabrika)	Ministry of Chemical Industry	N/A SVERDLOVSK	Director was unk. The factory produced all types of special rubber products. of no military end items several rubber cases, each approximately one-half meter in diameter. area of	25X1 25X1 25X1 25X1
---	-------------------------------	----------------	--	------------------------------

SECRET

SECRET
10

25X1

Unit Designation	Subordination	Location	Remarks
------------------	---------------	----------	---------

25X1

The factory fence at the entrance was made of white stone about two meters high. The factory was located in the city proper the address

Ural Chemical Machine Factory (Ural-khimash)	Ministry of Machine and Appliances Construction	N/A	SVYERBLOVSK
--	---	-----	-------------

Director was unk.

25X1

this factory

25X1

produced industrial chemical machines and various unidentified rubber products

25X1

1. Comment:

all USSR factories, which were military or had shops producing military items, had military inspectors in them.

25X1

2. Comment:

25X1

SECRET

SECRET
11

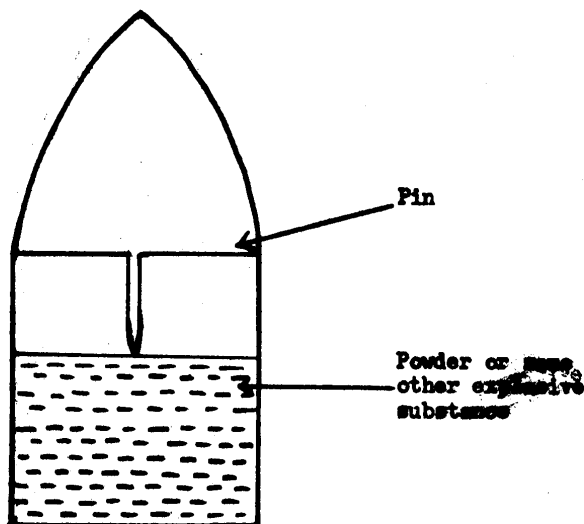
Annex A

Sketch of Soviet Explosive 7.62 MM Rifle Bullet
(Not to scale)

25X1

25X1

(This is the projectile
itself, exclusive of
the cartridge case.)



Exact dimensions un-
known except
that the caliber was
7.62 mm.

25X1

25X1

SECRET